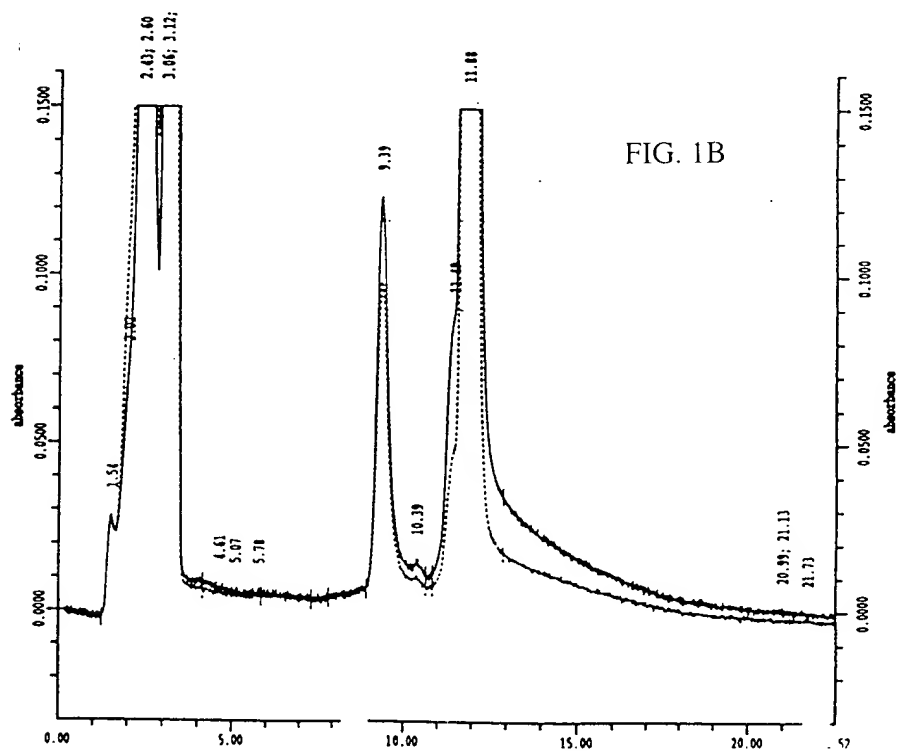
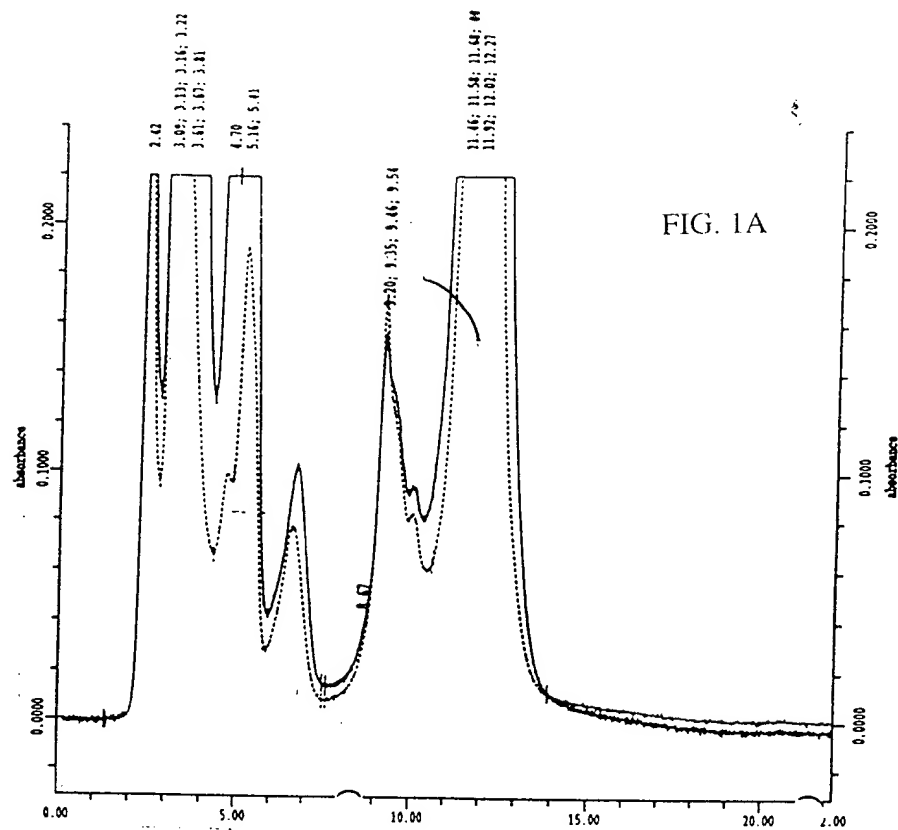


060311 04554680



08975519-11209

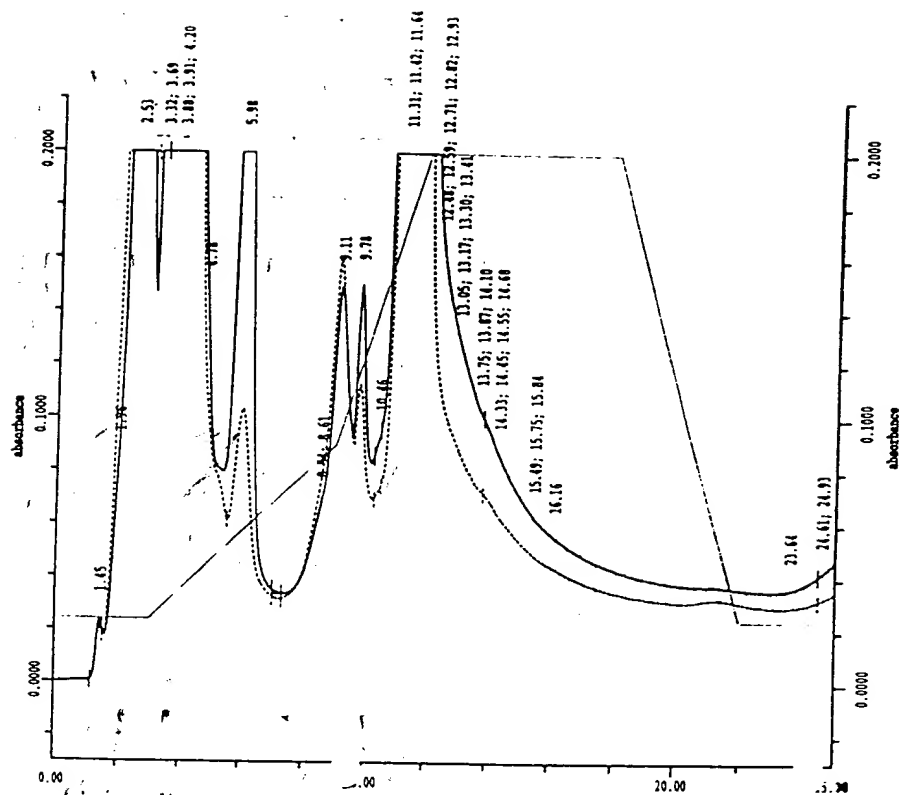


FIG. 2



060319 161547

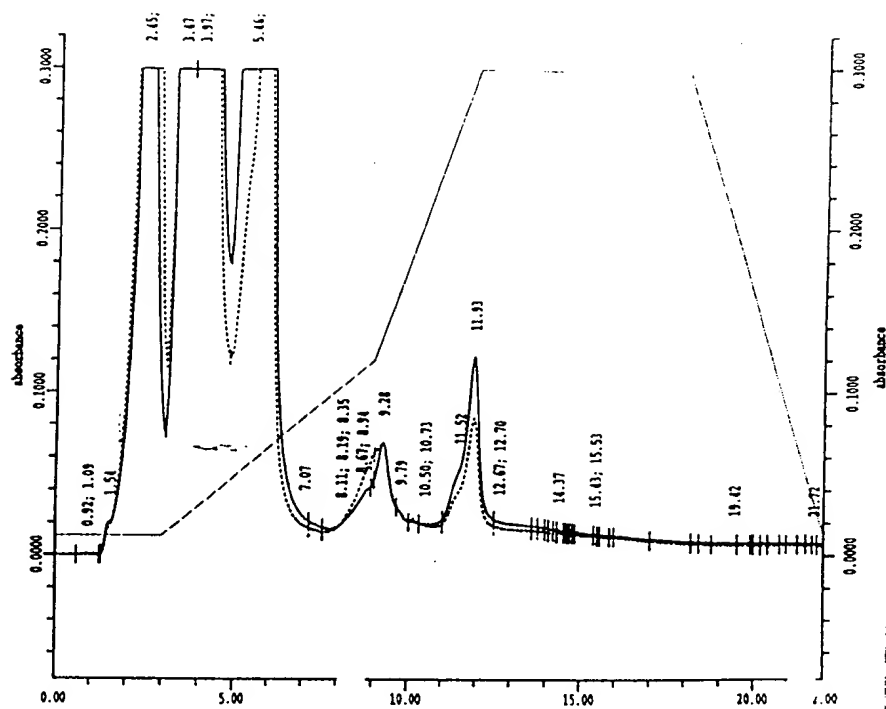


FIG.3C

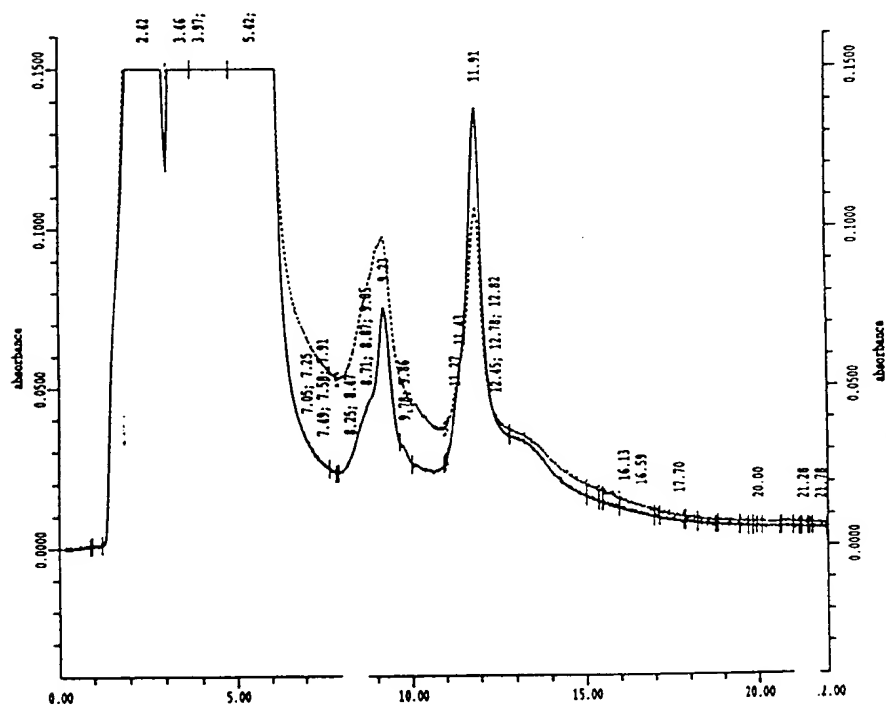
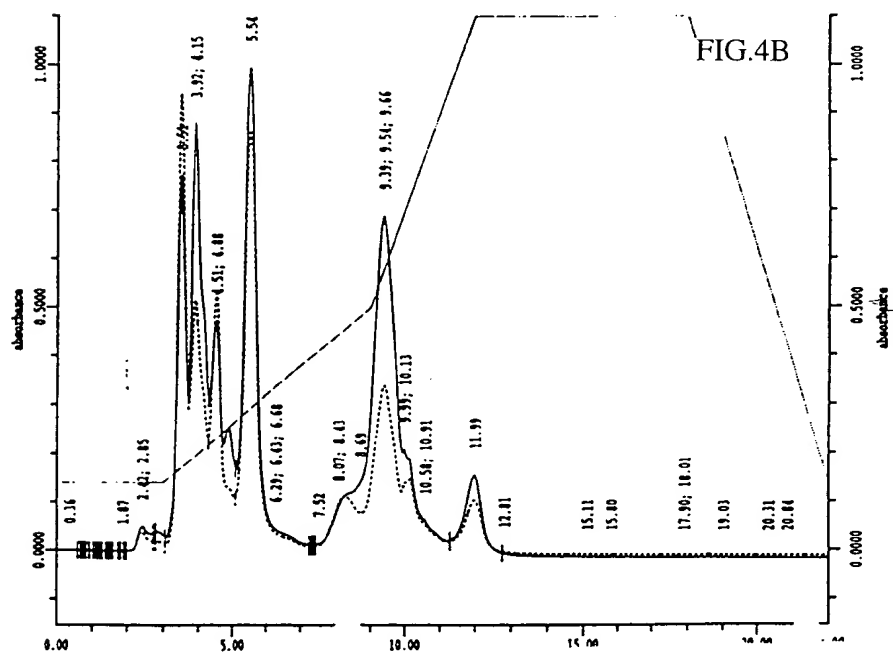
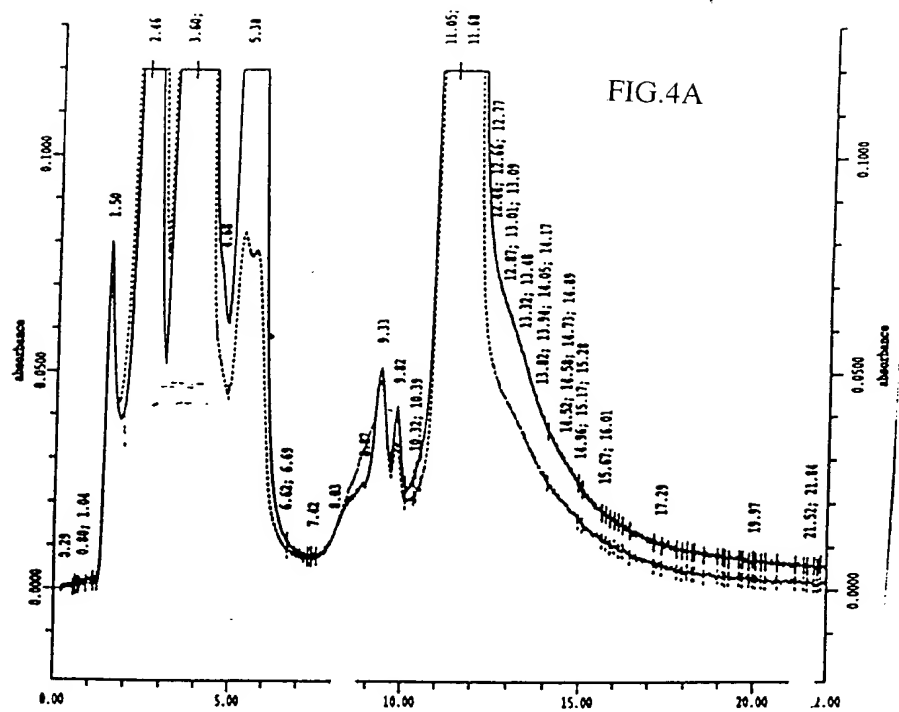


FIG.3D





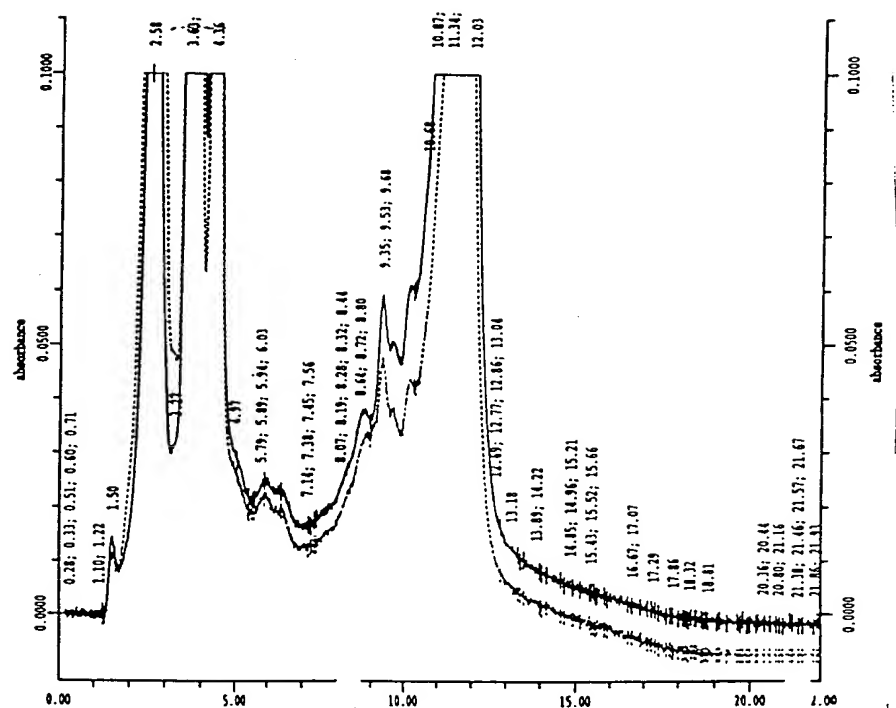


FIG.5

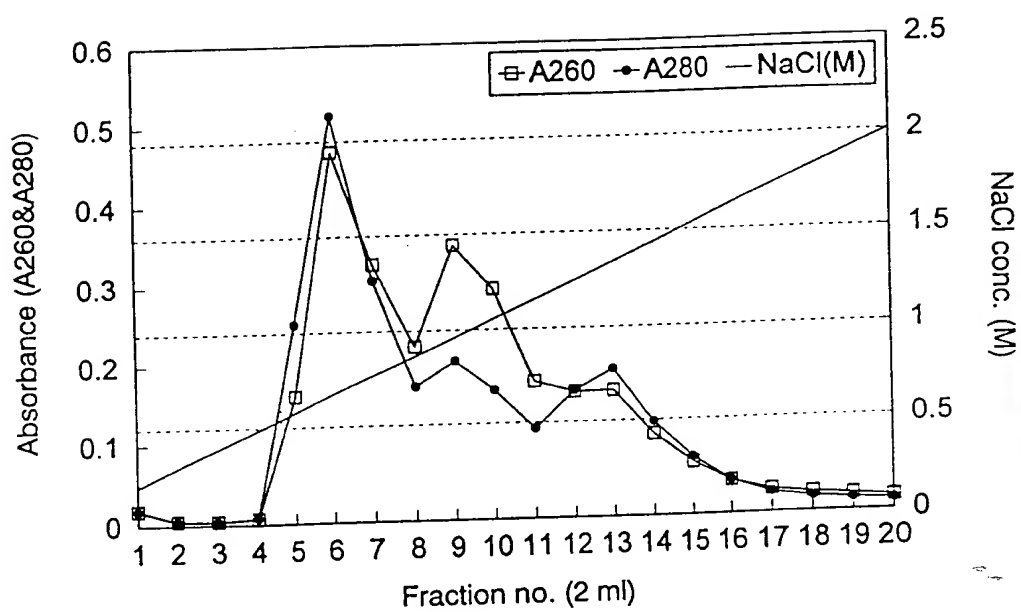


FIG.6

00975519-112097

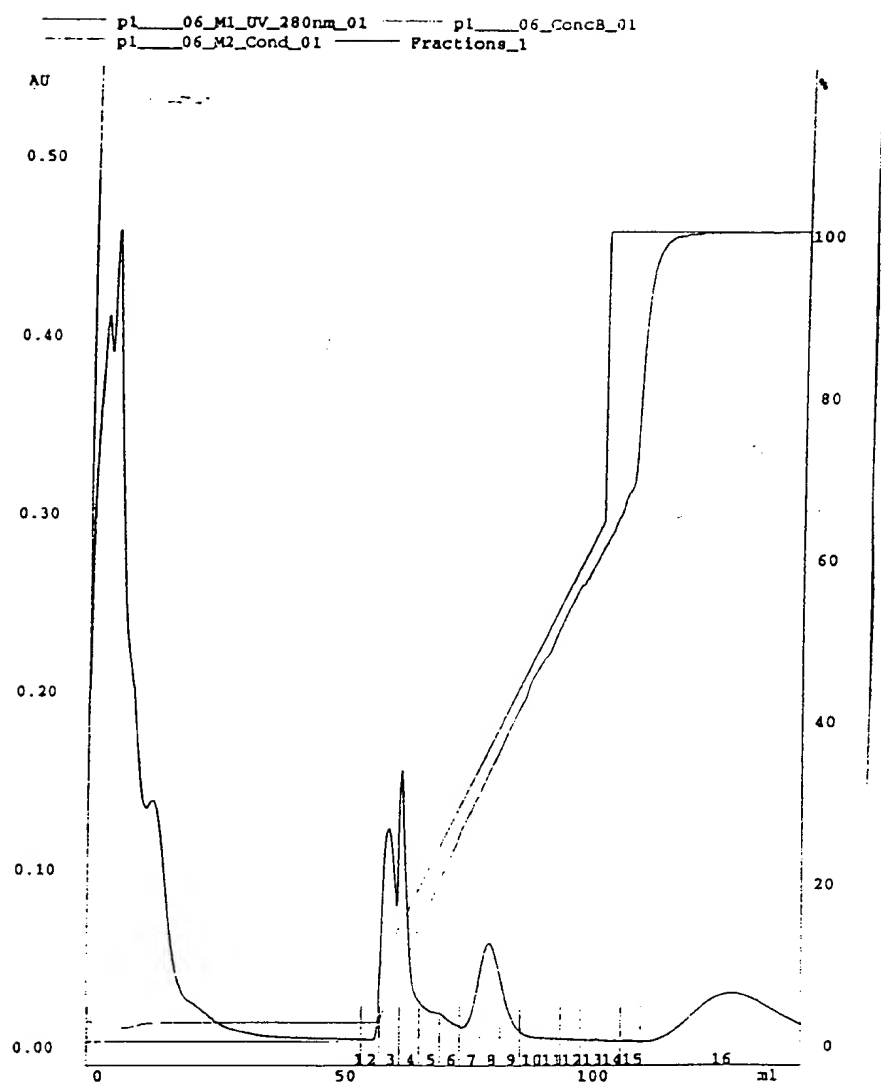
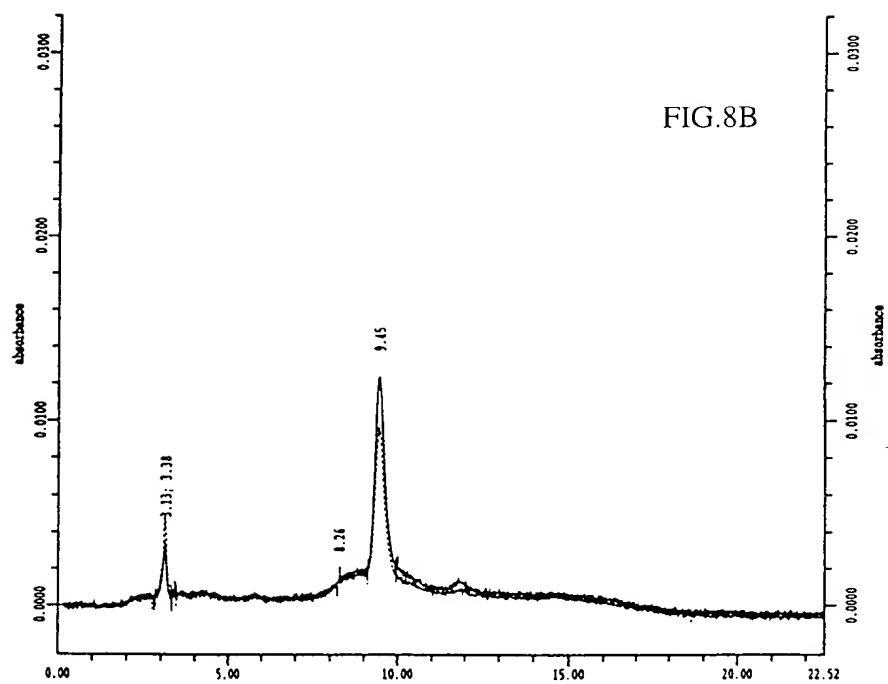
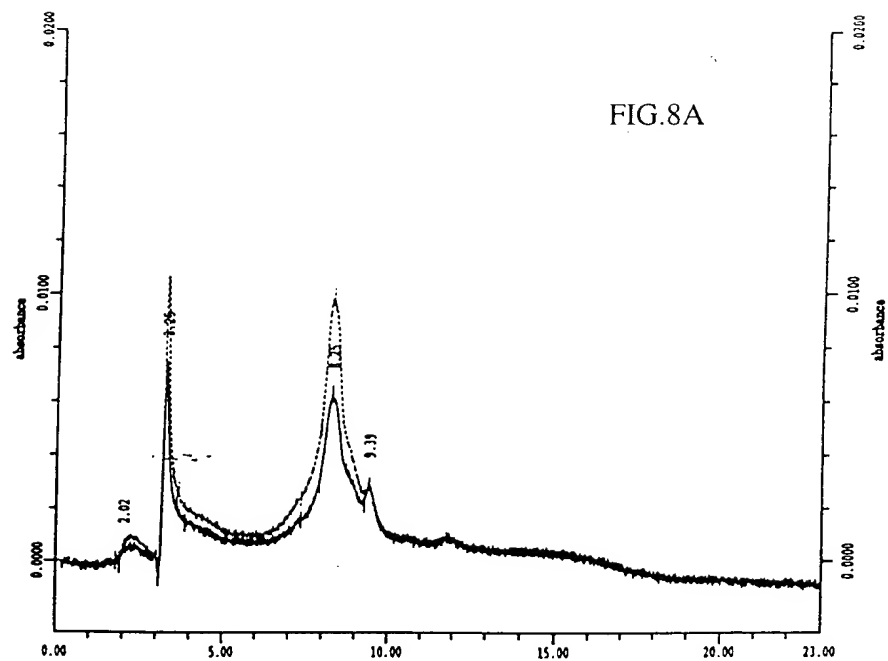
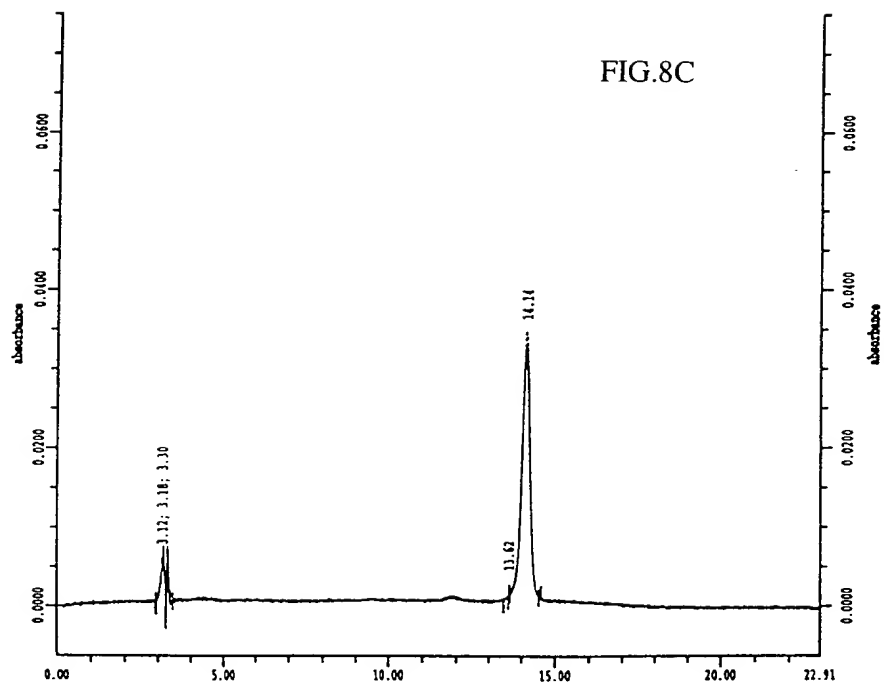


FIG.7



08975519-112097



00975549-112097

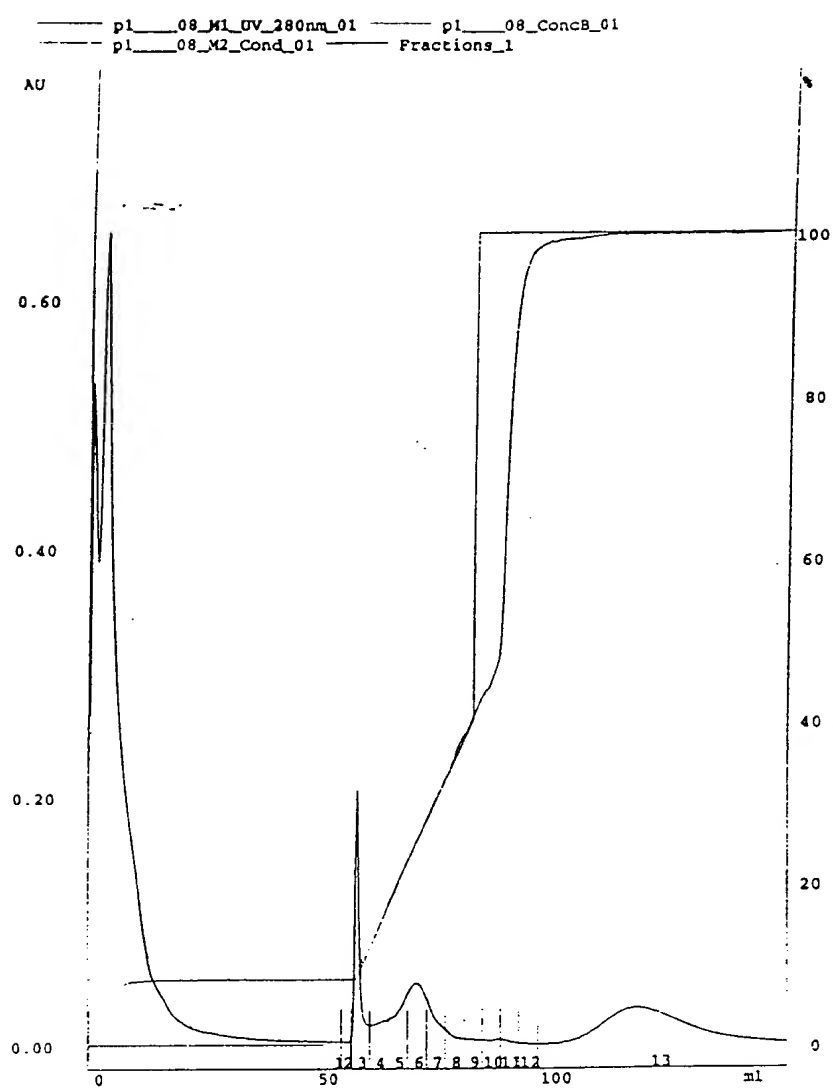
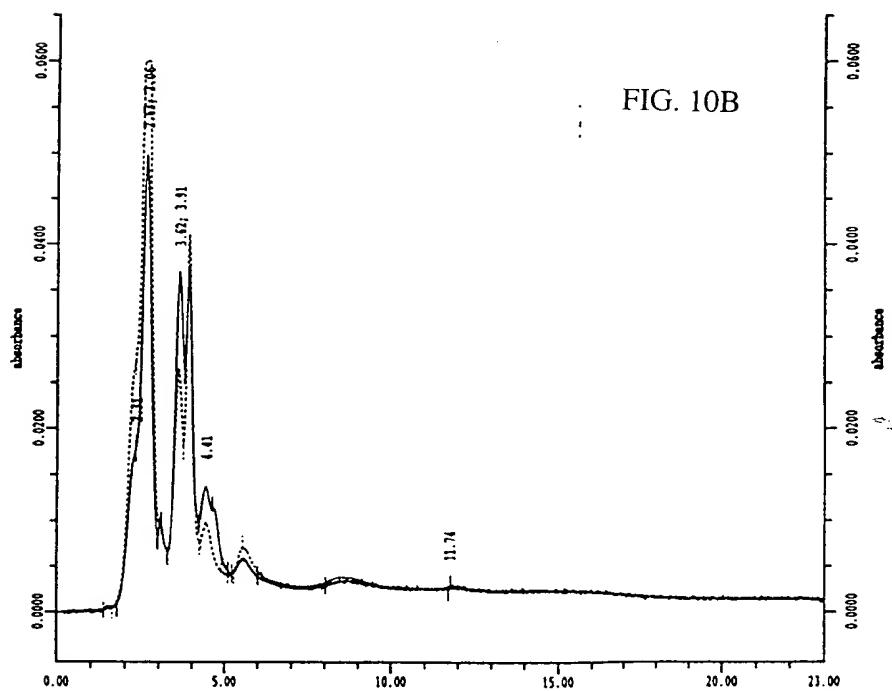
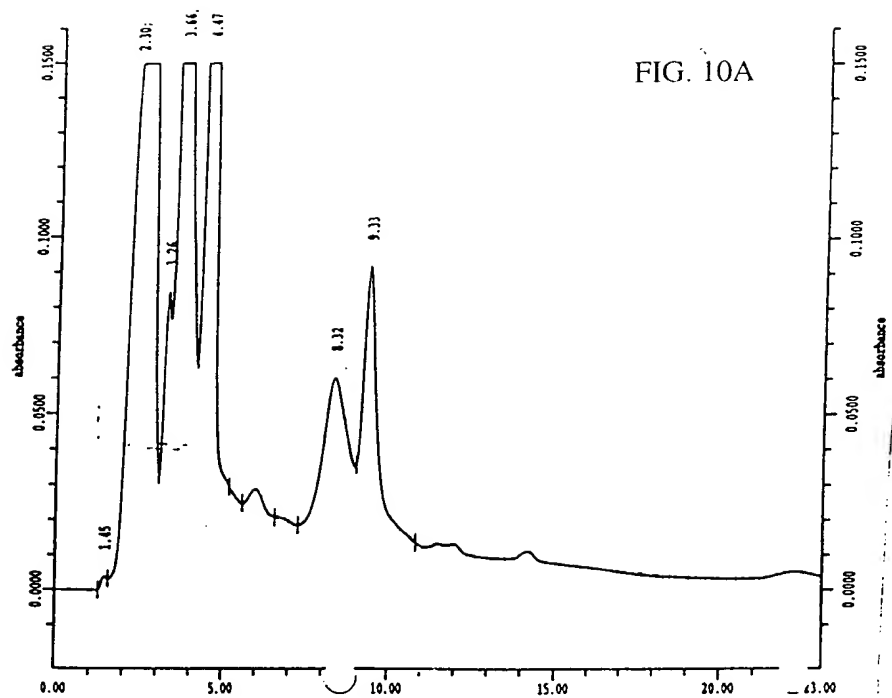
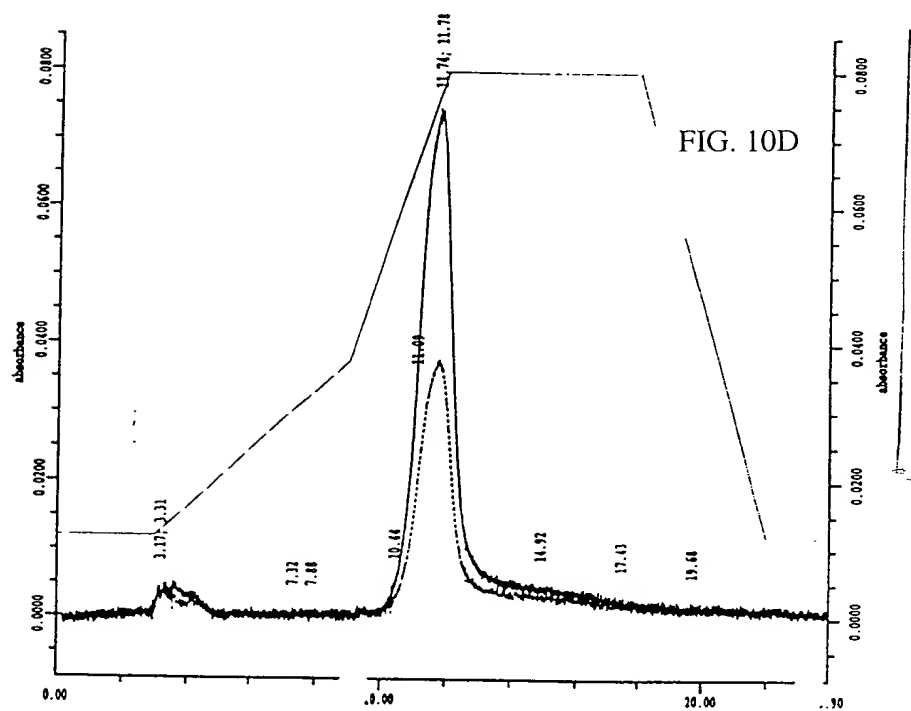
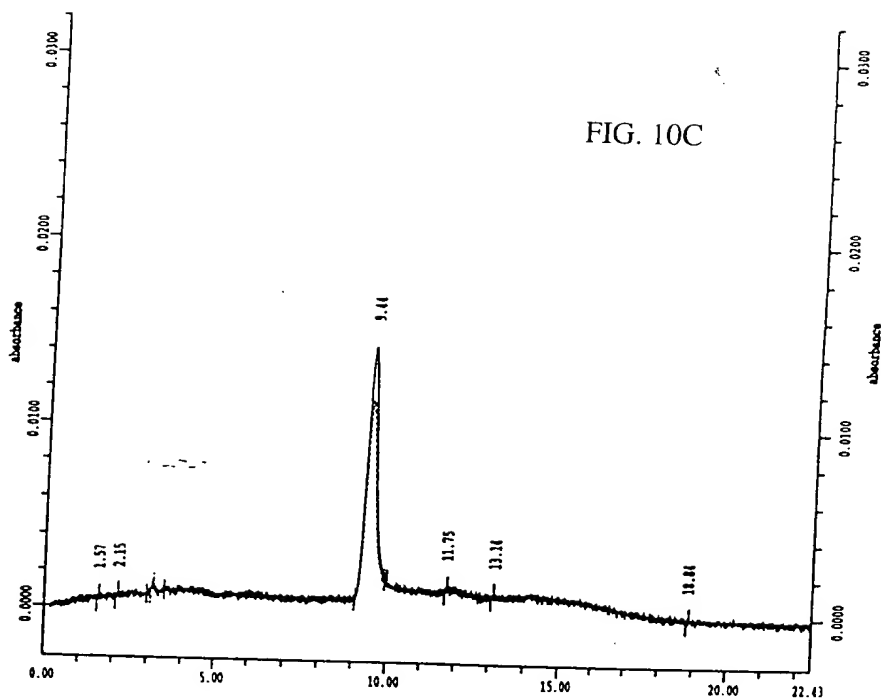


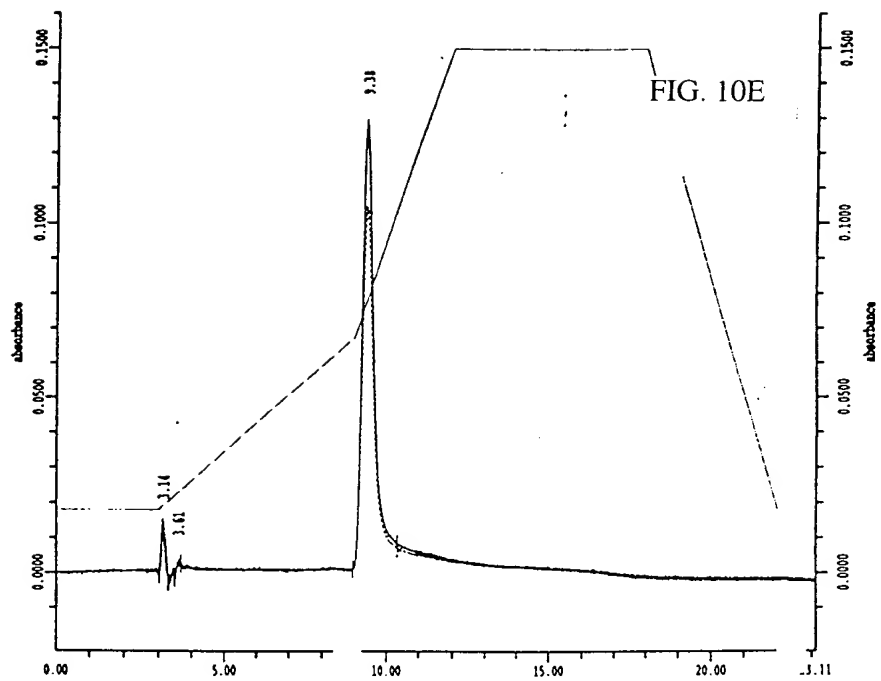
FIG. 9



08975519-112097



08975519-112097



097549.41097  
260277" 67552680

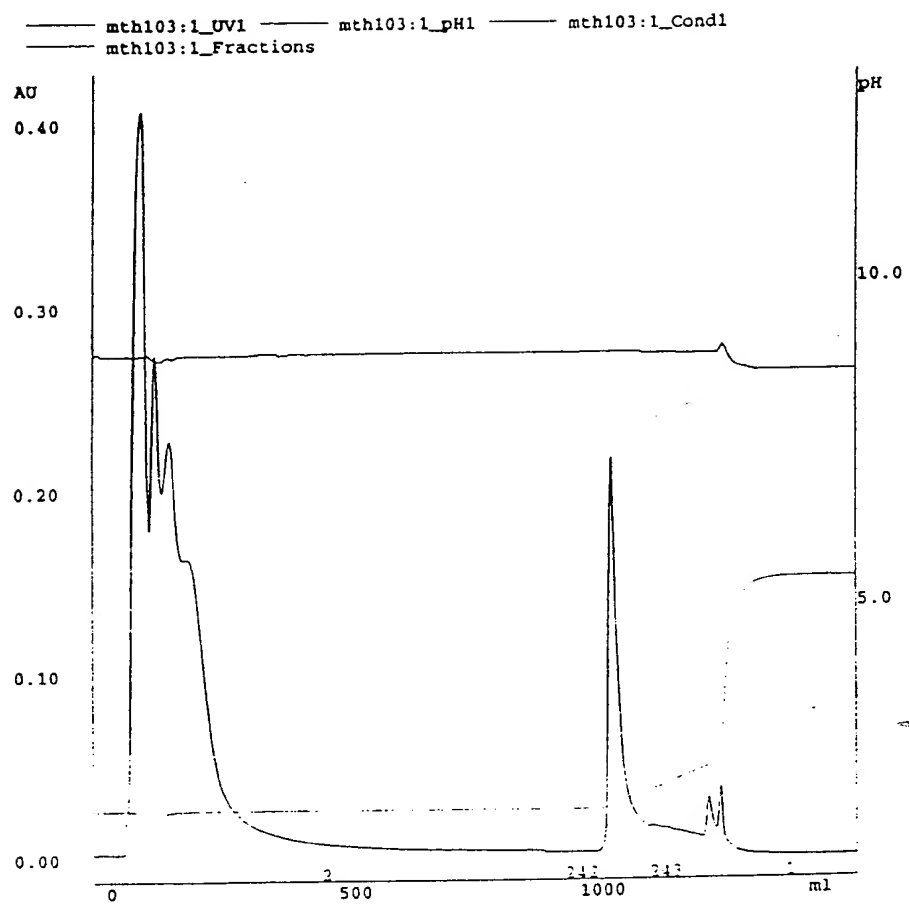


FIG. 11

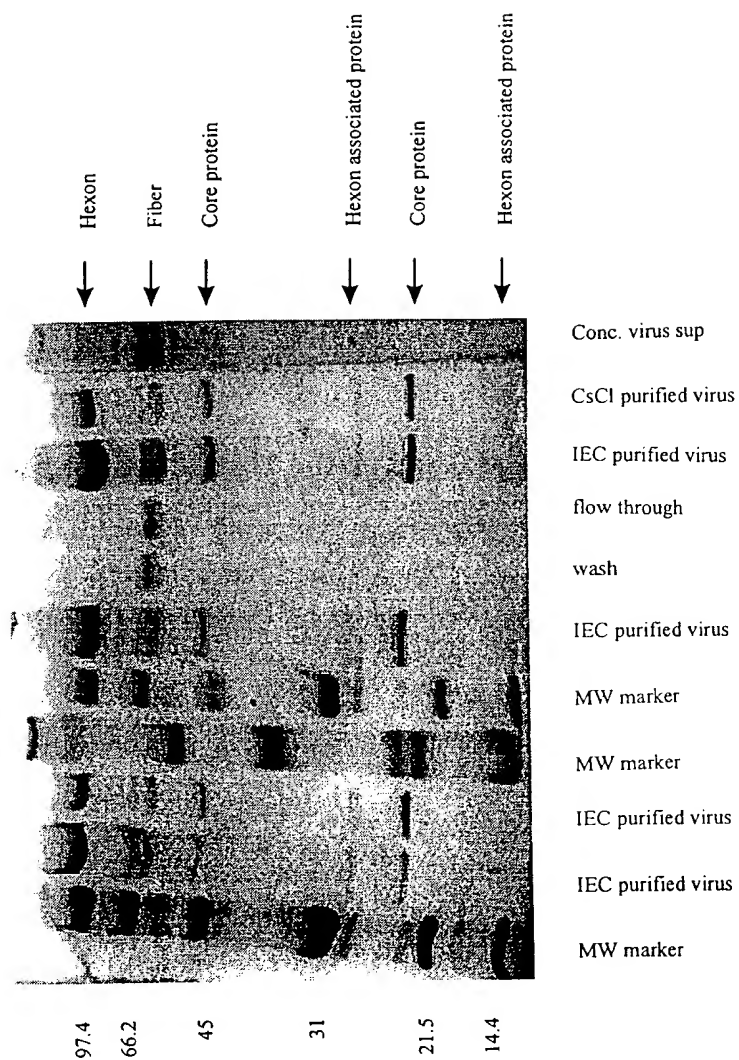


FIG. 12

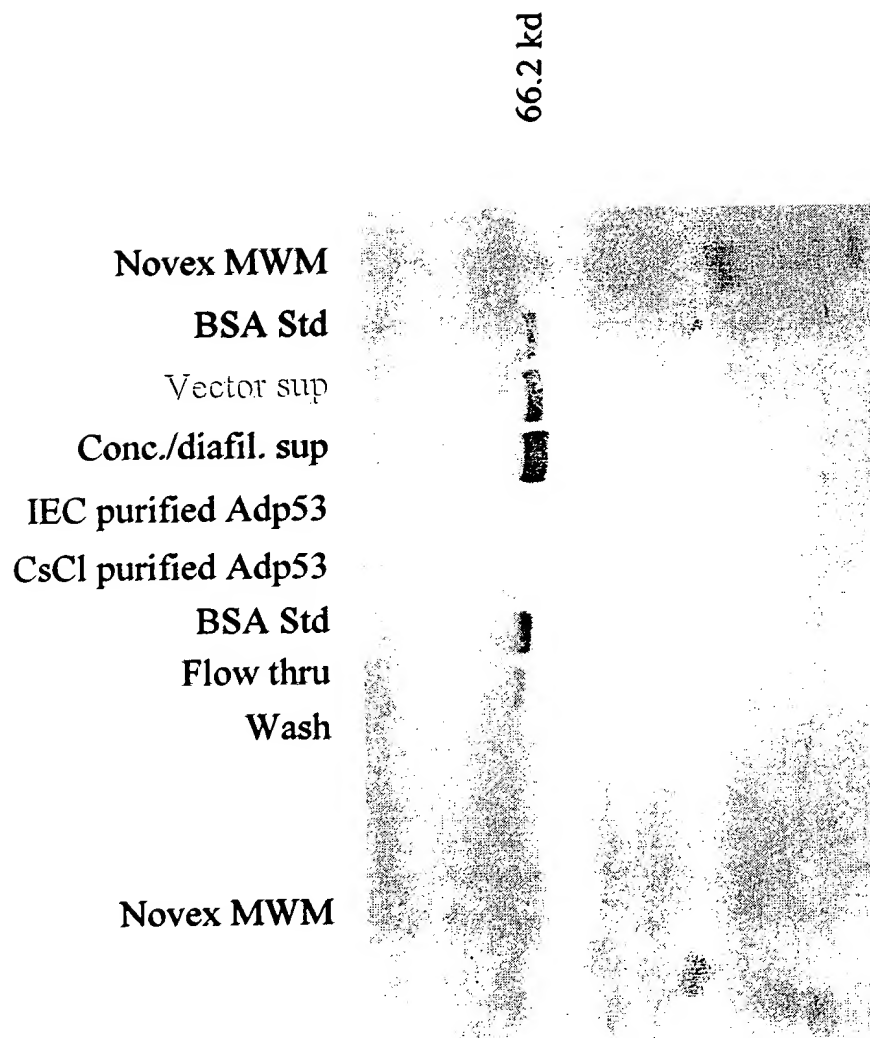


FIG. 13

08975519.11097

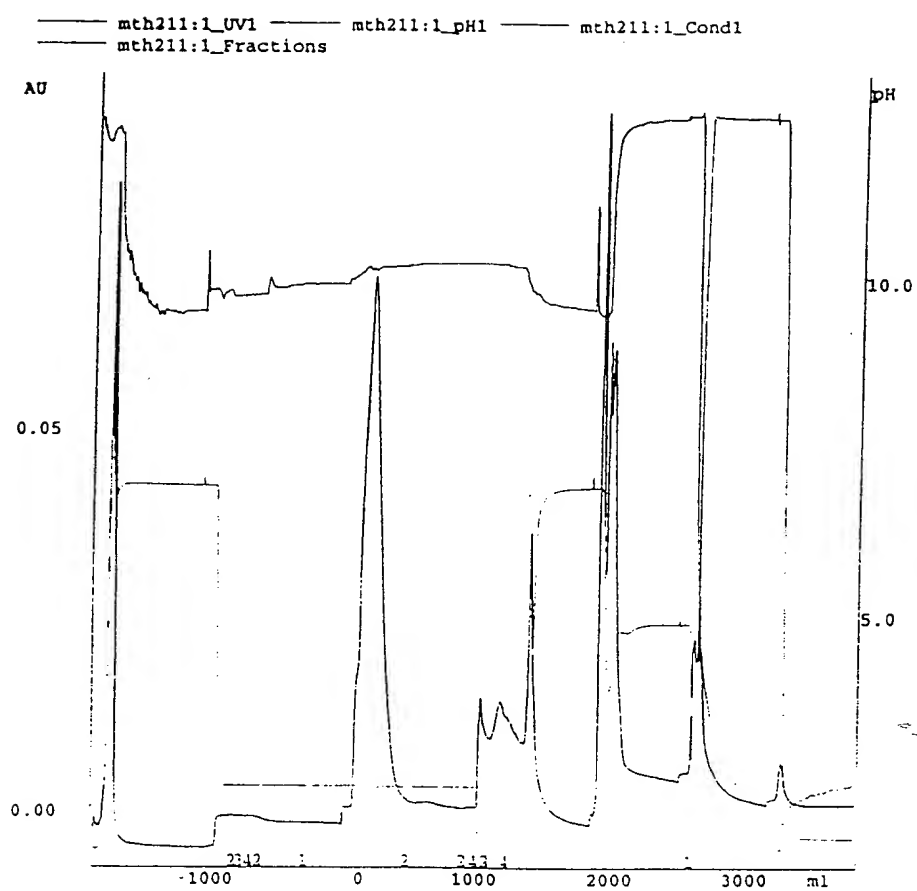


FIG. 14

08975519-112097

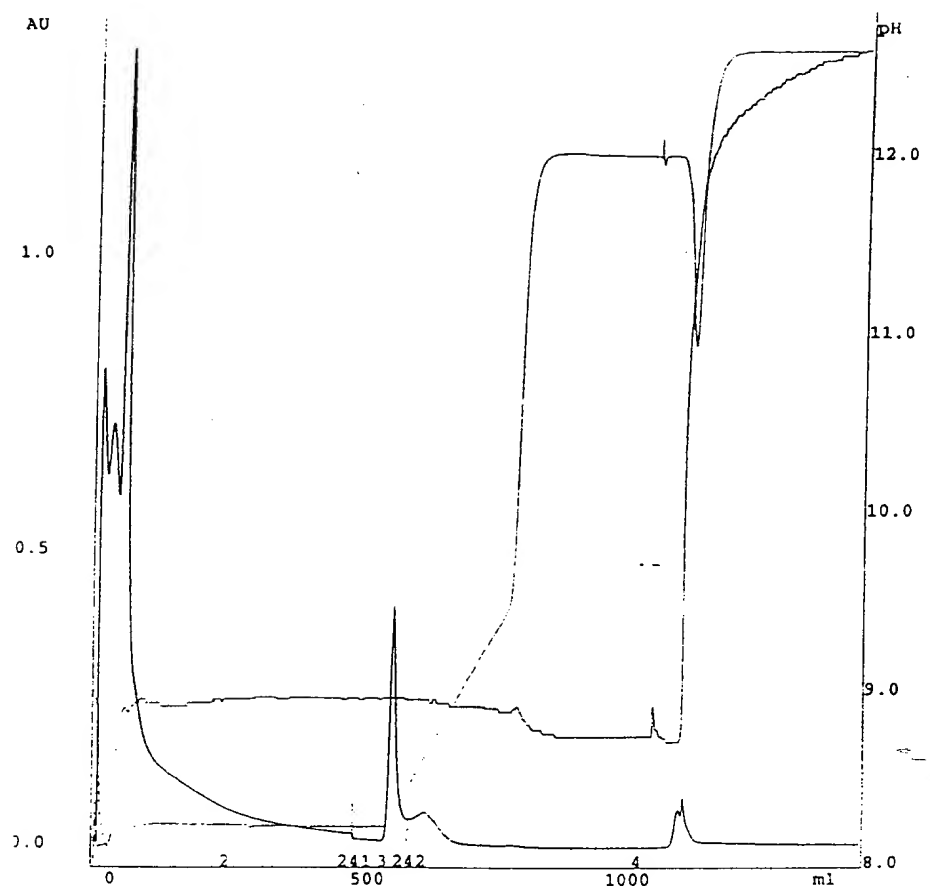
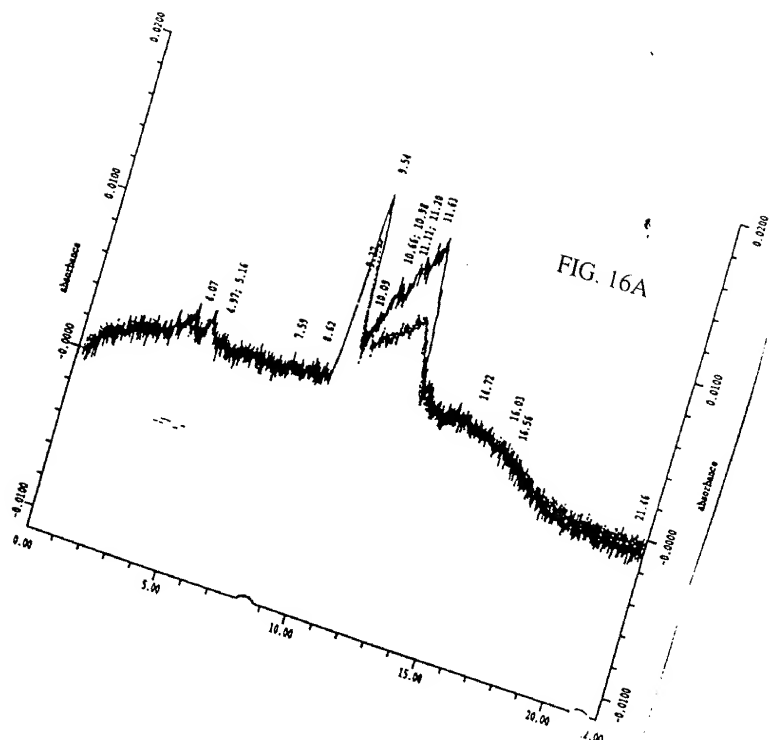
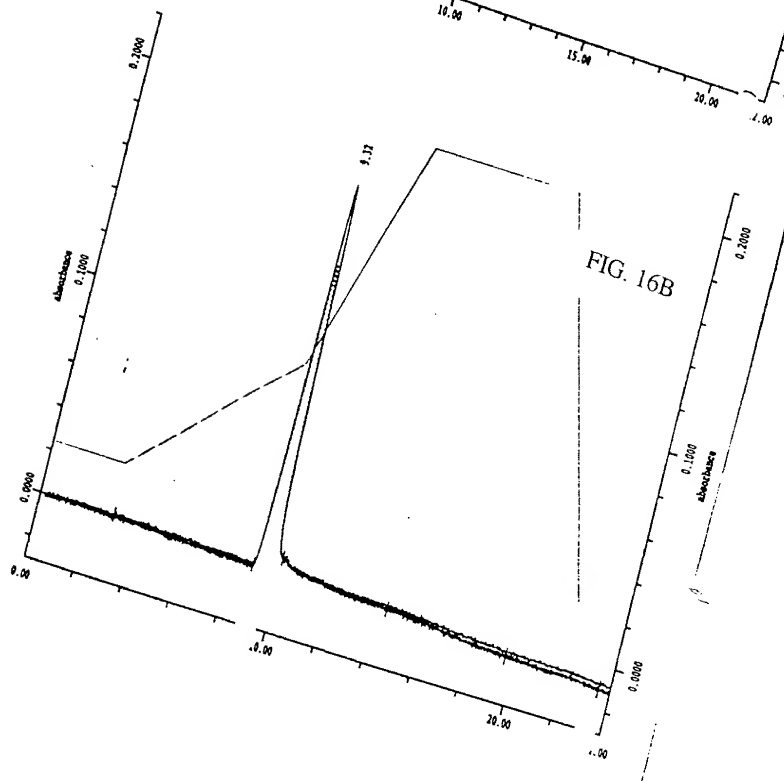


FIG. 15

0855656766



09075519.12097

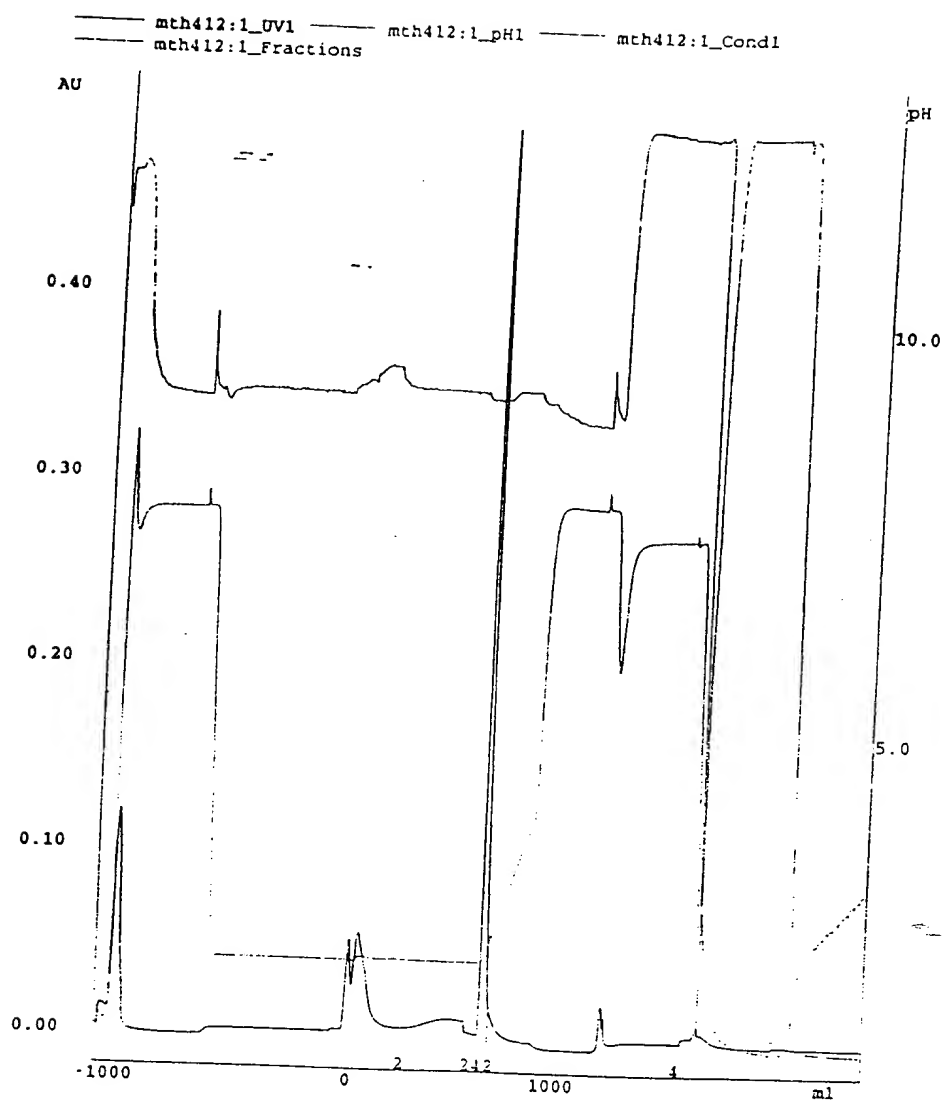


FIG. 17

03975319-412097

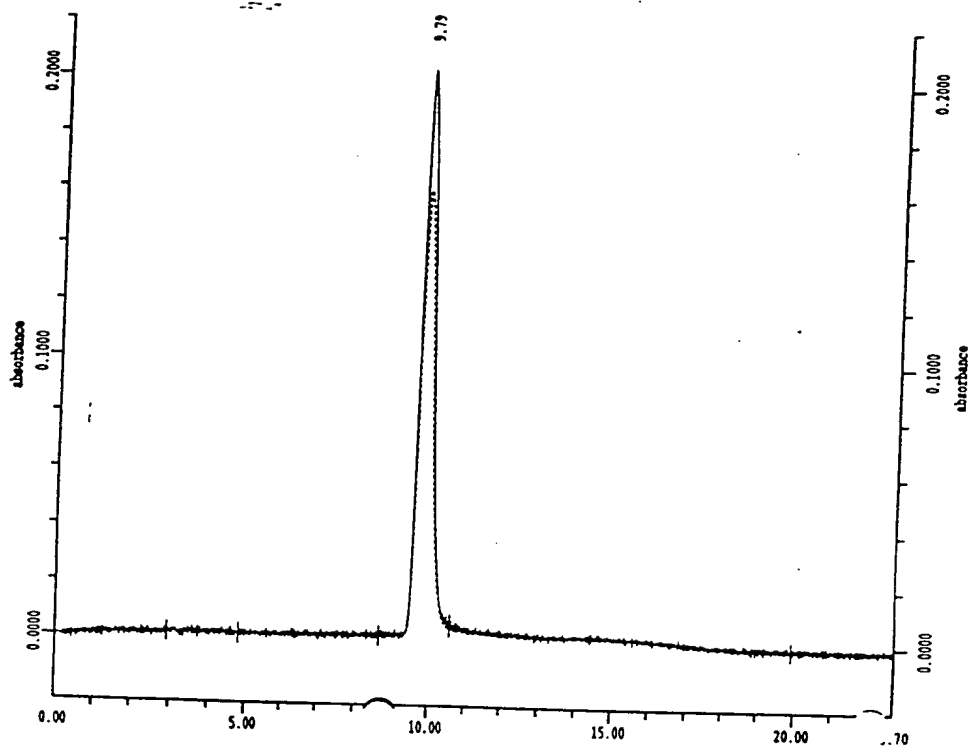
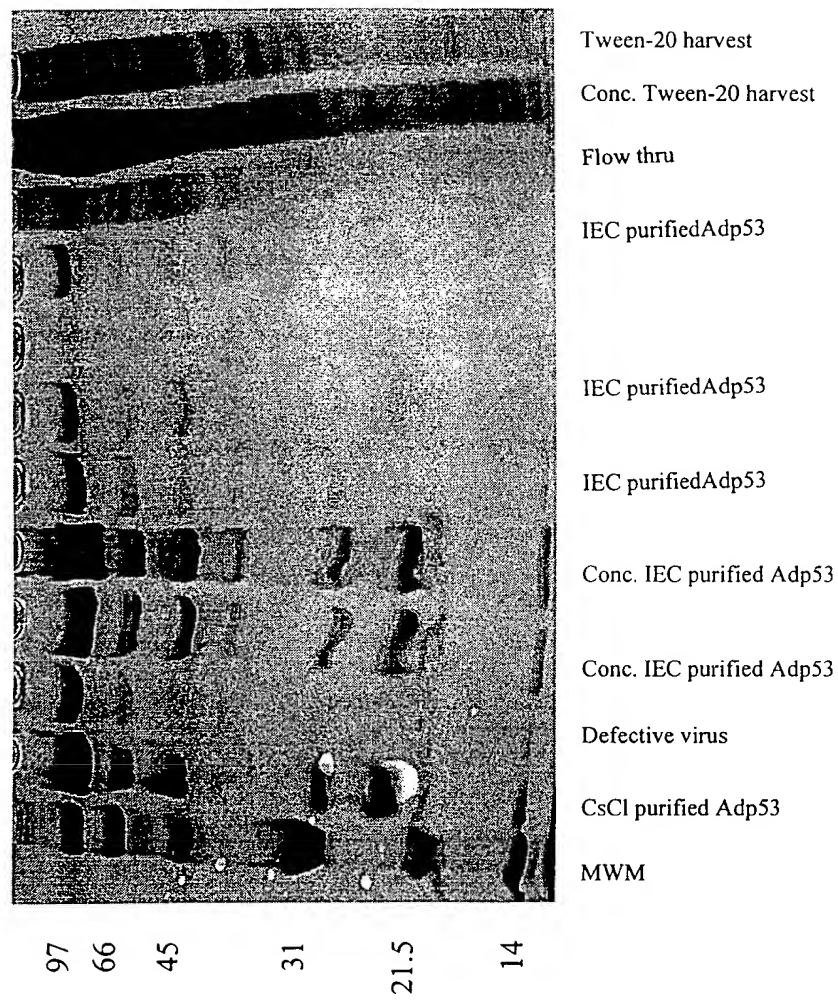


FIG. 18

FIG. 19A



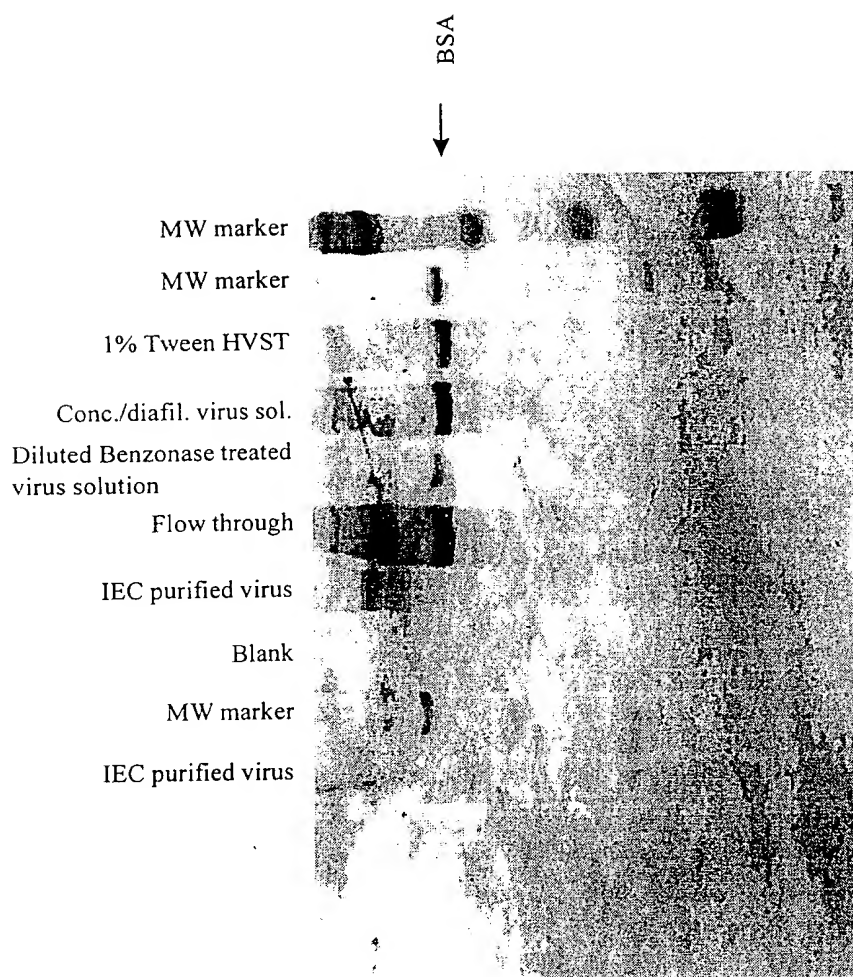


FIG. 19B

6027" 6T554680

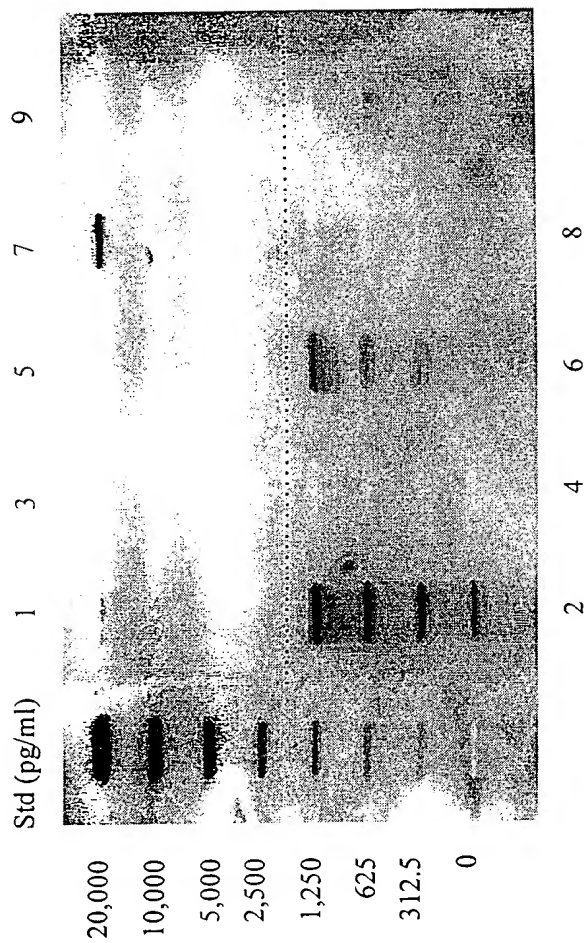
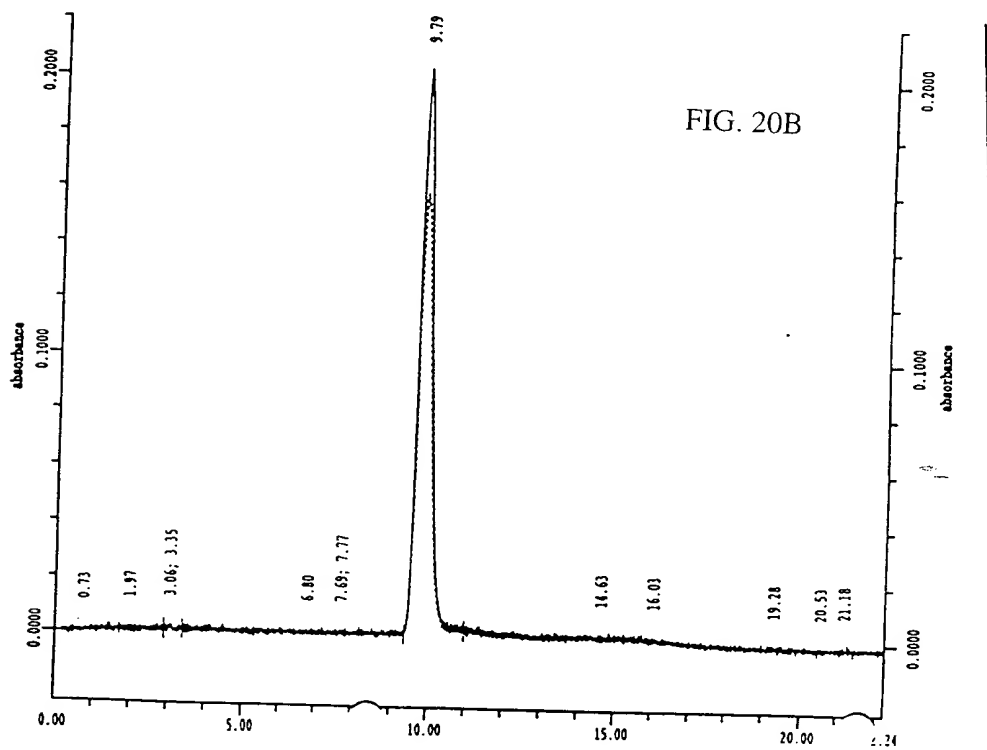
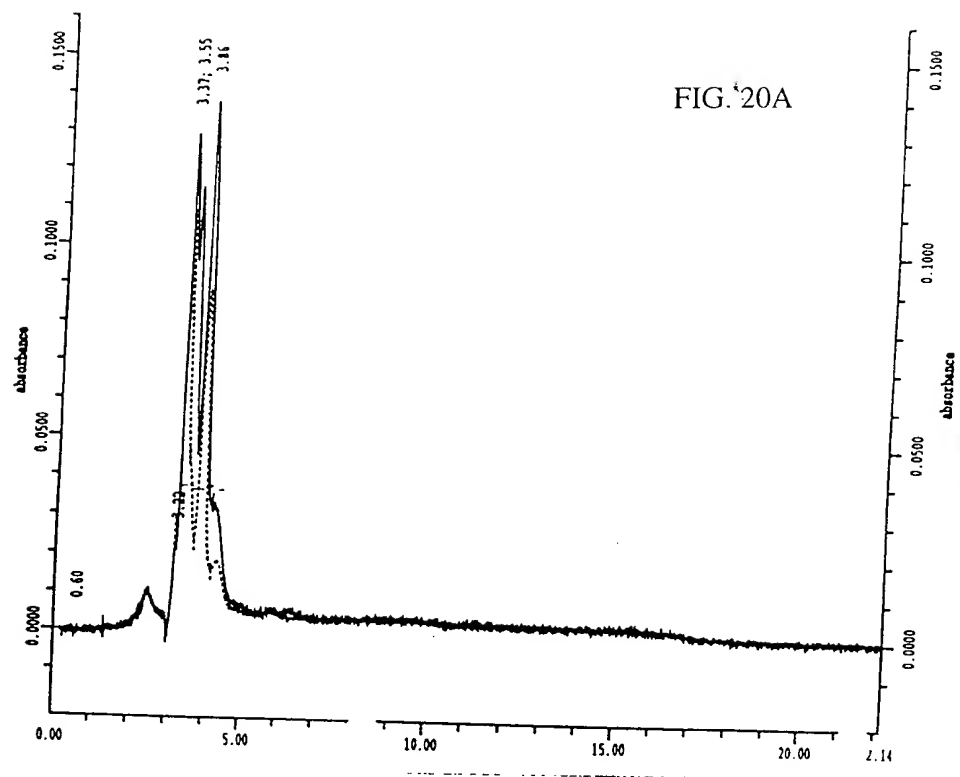
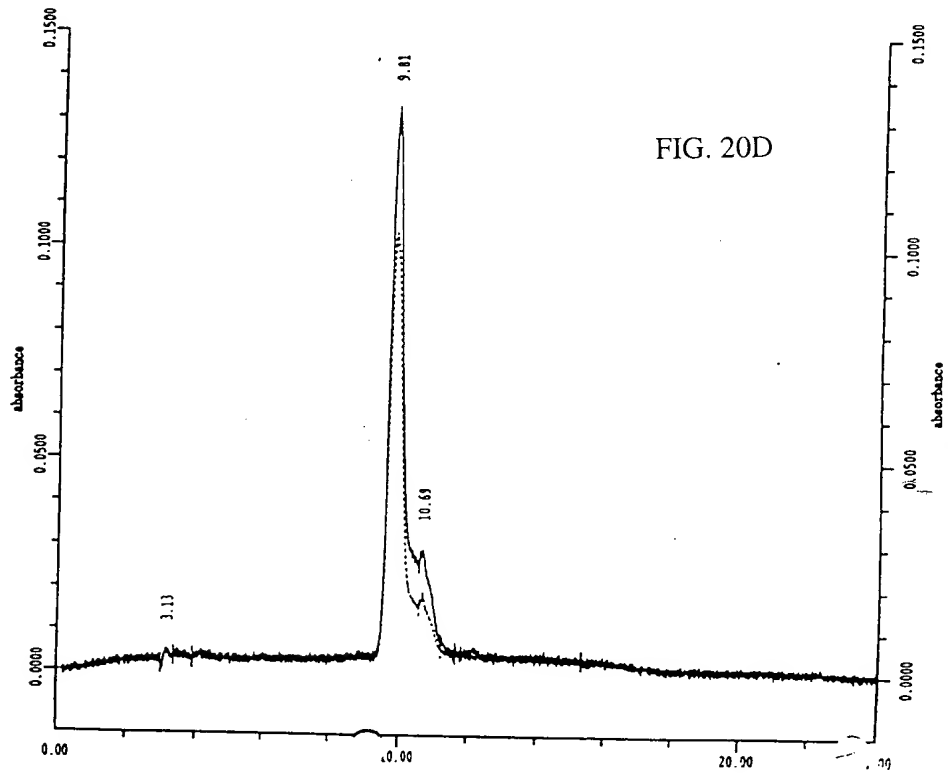
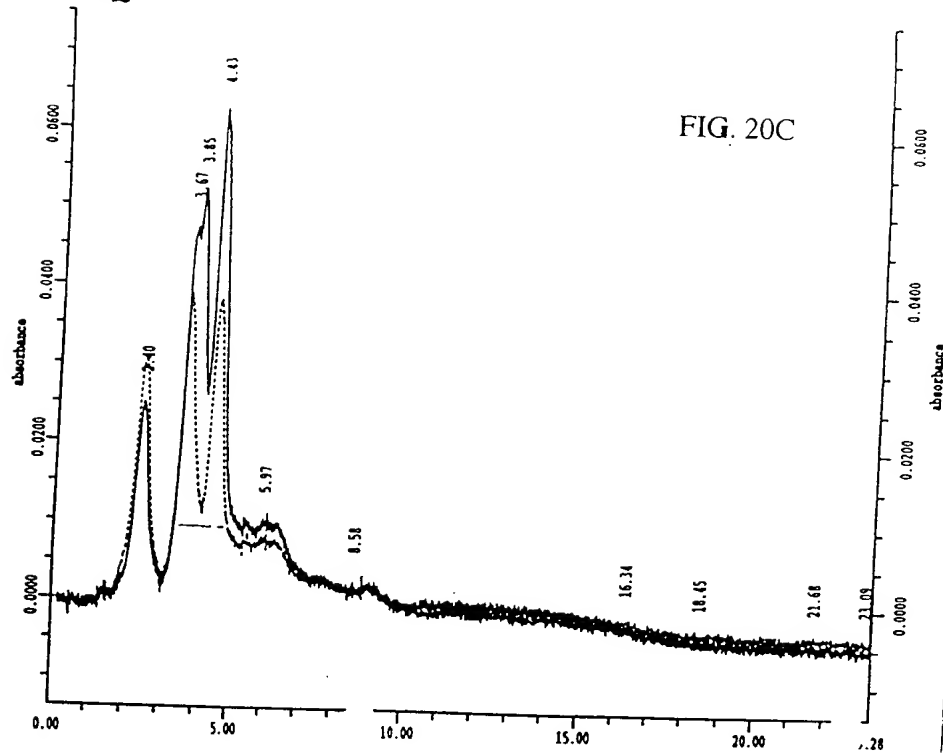
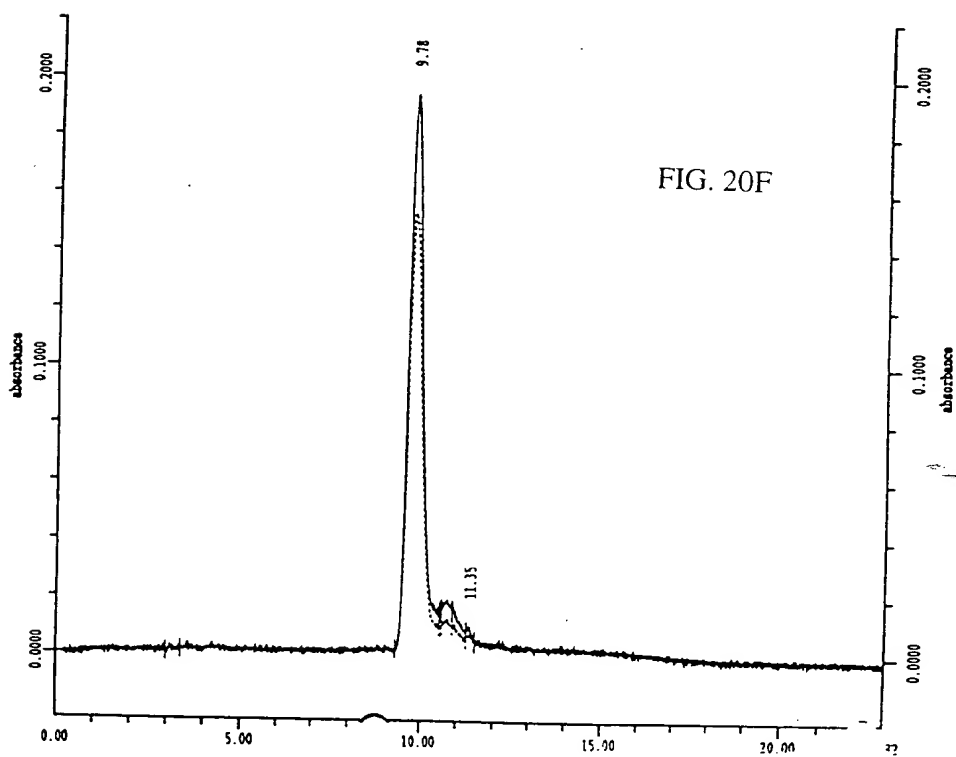
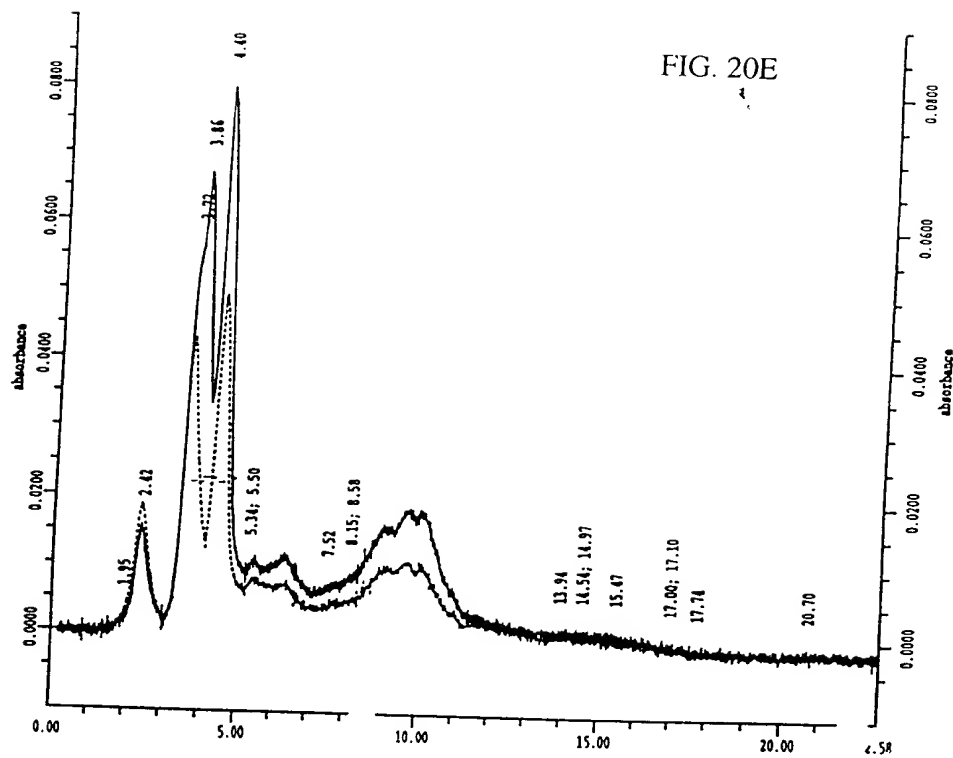


FIG. 19C





050221T 16T 534500



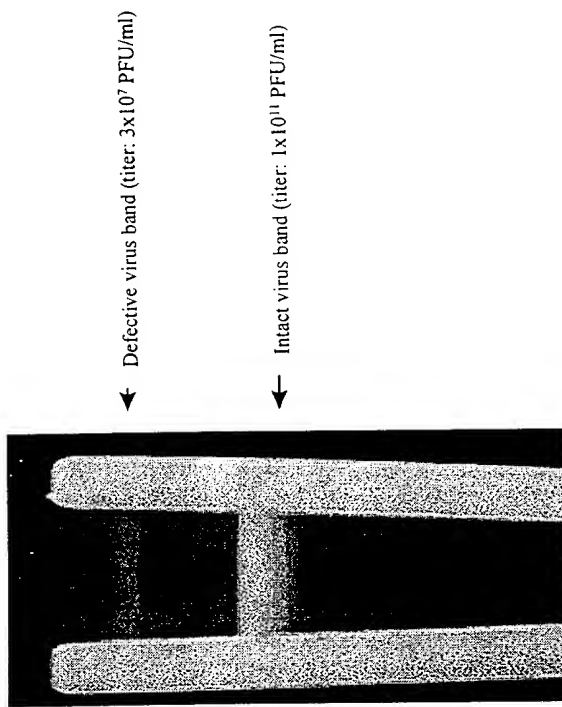
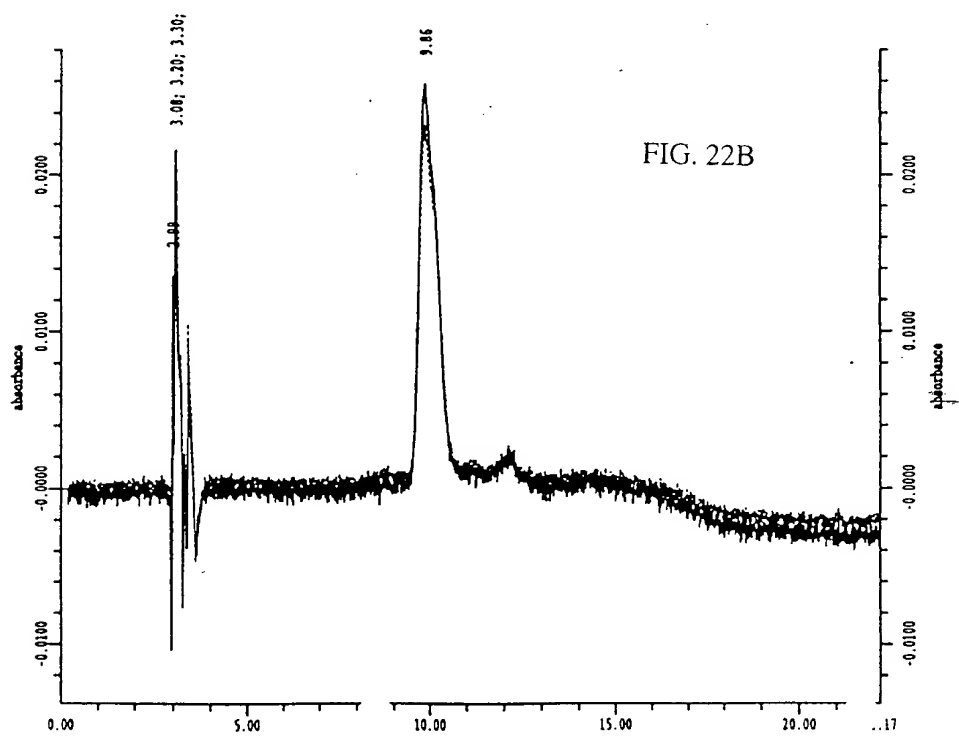
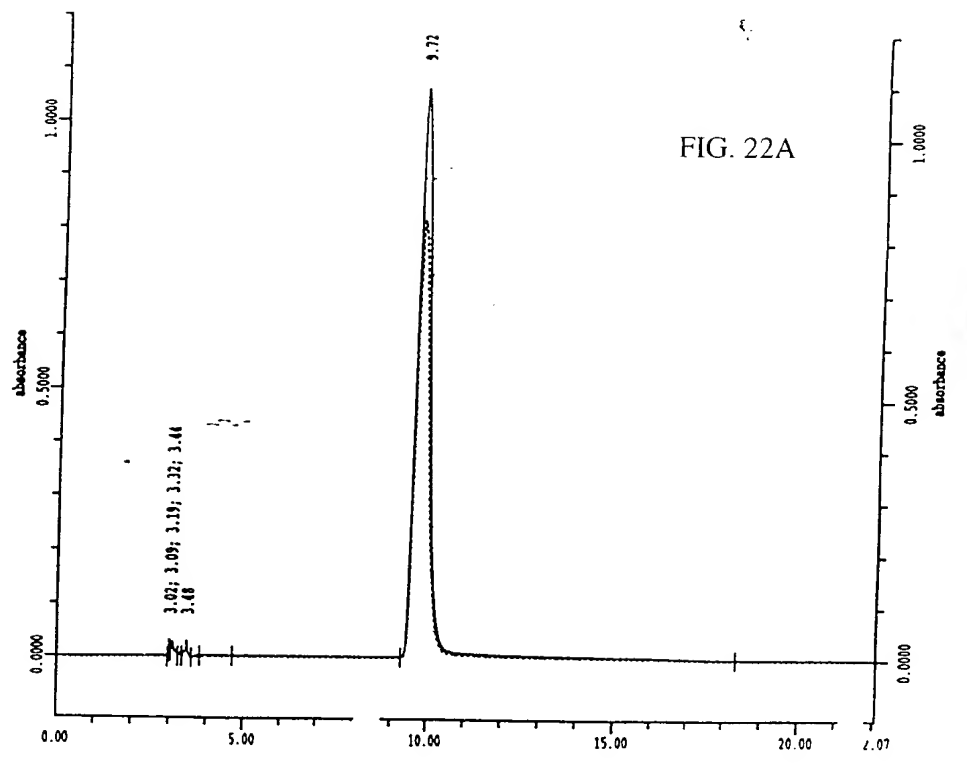


FIG. 21

0697519-12097



08975319-112097

		Titer (PFU/ml)	Vol. (ml)	Yield (PFU)	Recovery (%)	
					Step	Acc.
Cube (low perfusion rate, keep glucose > 1g/L)						
↓ 1% Tween-20 in buffer A						
Harvest						
↓ Clarification and Filtration (0.22 um)						
Virus solution		2.6x10 <sup>9</sup>	1900	4.9x10 <sup>12</sup>		
↓ Conc./diaf. (10-fold conc., diaf. into 1M NaCl buffer A)						
Conc. sup		2.5x10 <sup>10</sup>	200	5x10 <sup>12</sup>	102%	
↓ Benzonase treatment (O/N, RT, 100u/ml)						
Treated sup						
↓ Dilute with water to conductivity = 22-25 mS/cm						
Diluted virus solution		7x10 <sup>9</sup>	700	4.9x10 <sup>12</sup>	98%	100%
↓						
Purified virus		1.5x10 <sup>10</sup>	240	3.6x10 <sup>12</sup>	73%	73%
↓ conc./diaf (5-fold conc.)						
Final purified product		7x10 <sup>10</sup>	50	3.5x10 <sup>12</sup>	97%	71%

FIG. 23